

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently amended) A sensing device comprising:
physiological sensing means; and
locating means to locate the physiological sensing means inside an ear canal;
wherein the locating means is made of resiliently pliable material and can be
configured to fit within the ear canal and wherein the locating means is substantially U-
shaped in transverse cross section such that when the sensing device is fitted into the ear
canal air can pass in and out of the ear canal, provided with an aperture which, when the
sensing device is fitted in the ear canal, allows motion of the air in and out of the ear canal.
2. (Canceled)
3. (Canceled)
4. (Currently amended) A sensing device according to claim 3 1 wherein the
locating means is made of silicone.
5. (Previously Presented) A sensing device according to claim 1, wherein the
locating means comprises adjusting means such that the device can be comfortably
accommodated by a multiplicity of different users.
6. (Previously Presented) A sensing device according to claim 1, wherein the
physiological sensing means comprises pulse oximetry optical transmitters and a receiver.
7. (Previously Presented d) A sensing device according to claim 1, wherein the
locating means has a thermal conducting heat transfer tip.

8. (Previously Presented) A sensing device according to claim 7 wherein the physiological sensing means further comprises a temperature sensor in contact with said heat transfer tip on the locating means.

9. (Previously Presented) A sensing device according to claim 1, wherein the sensing device comprises securing means to secure the device to the ear of a user.

10. (Original) A sensing device according to claim 9 wherein the securing means comprises an ear clip which partially or completely surrounds the ear.

11. (Previously Presented) A sensing device according to claim 9 wherein the securing means is designed to go around the top or bottom of the ear.

12. (Previously Presented) A sensing device according to claim 1, further comprising audio communication means wherein the audio communication means comprise a speaker and a microphone and the speaker and/or microphone is located within a vibration absorbent material.

13. (Original) A sensing device according to claim 12 wherein the absorbent material is a soft silicone sealant type material.

14. (Original) A sensing device according to claim 13 wherein the absorbent material is a thermoplastic elastomer or thermoset silicone.

15. (Previously Presented) A sensing device according to claim 12 wherein the absorbent material has a sure hardness of 30 to 60 %.